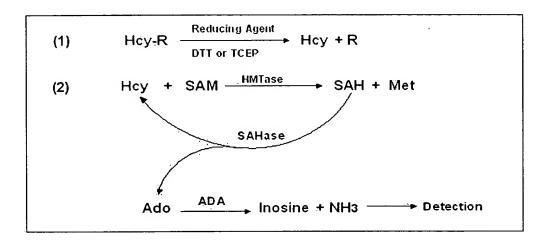
App No.: Not Yet Assigned Docket No.: 466992001400

Inventor: Chong-Sheng YUAN et al.
Title: METHODS AND COMPOSITIONS FOR ASSAYING HOMOCYSTEINE Sheet 1 of 1

Figure 1. Co-Substrate Conversion Product Based Enzyme Cycling Assay of Homocysteine



Hoy-R: oxidized homocysteine, R: protein, Hoy, Cys or other thio compounds; Hoy: reduced homocysteine (substrate)

Sadenosyl-L-methionine (co; substrate); HMTase: Homocysteine-methionine methyltransferase SAM:

SAH: S-adenosyl-L-homocysteine (co-substrate conversion product);

SAHase: S-adenosyl-L-homocysteine hydrolase; ADA: Adenosine deaminase.

Fig 1

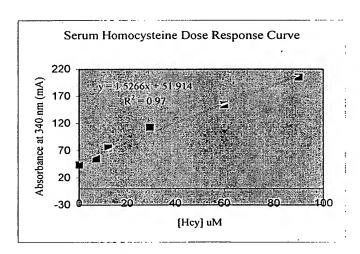


Fig. 2.